

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Compatible Electronics, Inc.

20621 Pascal Way

Lake Forest/Silverado, CA 92630

Mr. Jeff Klinger

Phone: 949-587-0400 Fax: 949-587-0476

Email: jklinger@celectronics.com

<http://www.celectronics.com>

**ELECTROMAGNETIC
COMPATIBILITY &
TELECOMMUNICATIONS**

NVLAP LAB CODE 200527-0

Emissions

Designation

Description

EN 55011 (2007) + A2 (2007)

Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement

EN 55011 (2009) + A1 (2010)

Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement

EN 55013 (2001) + A1 (2003) + A2 (2006)

Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement

EN 55022 (2006) + A1 (2007)

Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

EN 55022 (2006)

Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

EN 55022 (2010)

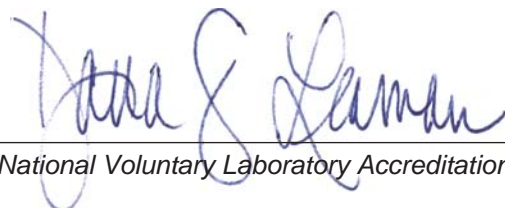
Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement

EN 55032 (2012-05)

Electromagnetic compatibility of multimedia equipment. Emission requirements

EN 55103-1 (2009)

Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use - Part 1: Emission



For the National Voluntary Laboratory Accreditation Program

ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

EN 61000-3-2 (2014)	Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions (equipment input current = 16 A per phase)
EN 61000-3-2 (2006) + A1 (2009) + A2 (2009)	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase)
IEC/EN 61000-3-3 (1995) + A1 (2001) + A2 (2005)	Conducted Emissions, Voltage Flicker
EN 61000-3-3, Ed. 2.0 (2008-09)	EMC- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low- voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
EN 61000-3-3 (2013)	EMC- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low- voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
IEC 61000-3-3 Ed. 2.0 (2008)	EMC- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current =16 A per phase and not subject to conditional connection
EN 61000-6-3 (2007)	Electromagnetic compatibility (EMC) - Part 6-3: Generic standard - Emission standard for residential, commercial and light industrial environments
IEC 61000-6-4 (2006-07)	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
IEC 61000-6-4 (2006) +A1 (2010)	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
EN 61000-6-4 (2007) + A1 (2011)	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
IEC 61326-1 (2005-12)	Electrical equipment for measurement, control and laboratory use - EMC requirements
IEC 61326-2-1 (2005)	EMC requirements. Particular requirements. Test configurations, operational conditions and performance criteria for EMC unprotected applications
IEC 61326-2-2 (2005)	EMC requirements. Particular requirements. Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems
EN 61326-2-3 (2013)	Electrical equipment for measurement, control and laboratory use. EMC requirements - Part 2-3: Particular requirements -Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning
IEC 61326-2-3 (2006)	EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning
CNS 13438 (2006) (up to 6GHz)	Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment



ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

ANSI C63.10 (2013)	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
IEC/CISPR 11 + A1 (1997), EN 55011 (1998), AS/NZS CISPR 11 (2002), and CNS 13803 (1997)	Limits and Methods of Measurement of Electromagnetic Disturbance Characteristics of Industrial, Scientific, and Medical Radio-Frequency Equipment
AS/NZS CISPR 11 (2011)	Industrial, scientific and medical (ISM) radio frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement
IEC/CISPR 11 Ed. 5.1 (2010)	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement
IEC/CISPR 22 (1997) & EN 55022 (1998) + A1(2000)	Limits and methods of measurement of radio disturbance characteristics of information technology equipment
AS/NZS CISPR 22, 3rd Edition (2006)	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
AS/NZS CISPR 22 (2009) +A1 (2010)	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
AS/NZS CISPR 32 (2015)	Electromagnetic compatibility of multimedia equipment - Emission requirements
CISPR 32, Ed. 1 (2012-01)	Electromagnetic compatibility of multimedia equipment - Emission requirements
ANSI C63.4 (2014)	Unintentional Radiators in 47 CFR FCC Part 15, Subpart B
ANSI C63.10 (2013)	Intentional Radiators in 47 CFR FCC Part 15, Subpart C
DA 00-705 - March 30, 2000 and KDB Pub. No. 558074	47 CFR FCC Part 15, Subpart C: Intentional Radiators - (Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems - and - New Guidance on Measurements for Digital Transmission Systems in Section 15.247)
KDB Pub. No. 200443 Millimeter Wave Test Procedures	47 CFR FCC Part 15, Subpart C: Intentional Radiators
SS - MP with FCC Method - 15 CFR Part 15, Subpart C	Intentional Radiators
ANSI C63.17(1998) and ANSI C63.4 (2003)	Unlicensed Personal Communications Service Devices in 47 CFR FCC Part 15, Subpart D
UNII - MP	Unlicensed National Information Infrastructure Devices in 47 CFR FCC Part 15, Subpart E
ANSI C63.10 (2013)	Ultra-Wideband Operation Intentional Radiators in 47 CFR FCC Part 15, Subpart F
ANSI C63.10 (2013)	Access Broadband Over Power Line (Access BPL) Intentional Radiators in 47 CFR FCC Part 15, Subpart G
ANSI C63.10 (2013)	White Space Device Intentional Radiators in 47 CFR FCC Part 15, Subpart H



ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

FCC OST/MP-5 (1986)	FCC Methods of Measurement of Radio Noise Emissions for ISM Equipment (cited in 47 CFR FCC Part 18 - Industrial, Scientific, and Medical Equipment)
ICES-001	Industrial, Scientific and Medical (ISM) Radio Frequency Generators
ICES-003 Issue 6 (2016)	Information Technology Equipment (ITE) - Limits and methods of measurement
ICES-003 Issue 5 (2012)	Information Technology Equipment (ITE) - Limits and methods of measurement
KCC Notice 2008-39	Korea Technical Requirements Electromagnetic Interference (EMI)
KN 22 with RRL Notice No. 2005-82 (Sept. 29, 2005)	RRL Notice No. 2005-82: Technical Requirements for Electromagnetic Interference Annex 8 (KN-22), RRL Notice No. 2005-131: Conformity Assessment Procedures for Electromagnetic Interference
KN 22 (Annex 5) with RRA Announce 2011-30 (Dec 23, 2011)	Conformity Assessment Procedure for Electromagnetic Interference; With KN 22 (Annex 5). K Only
KN 22 (Annex 8) with RRL Notice No. 2006-128 (Dec. 29, 2006)	Conformity Assessment Procedure for Electromagnetic Interference; With KN 22 (Annex 8)
KN 22 (Annex 8) with RRL Notice No. 2006-126 (Dec. 29, 2006)	Technical Requirements for Electromagnetic Interference; With KN22 (Annex 8)
KN 22 (Annex 8) with RRA Announce 2008-11 (Dec. 16, 2008)	Conformity Assessment Procedure for Electromagnetic Interference; With KN 22 (Annex 8)
KN 32:2015 (Annex 11)	Test Methods of radio disturbance for multimedia equipment
KN 32:2013 (Annex 16)	Test Methods of radio disturbance for multimedia equipment
RRA Announce 2009-9, Dec 21, 2009	Conformity Assessment Procedure for Electromagnetic Interference, K only
RRA Announce 2010-05, K only (December 24, 2010)	Conformity Assessment Procedure for Electromagnetic Interference (K only)
RRA Public Notification 2011-05 (Jan. 19, 2011)	Technical requirements for Electromagnetic Interference; Korea only
RRA Public Notification 2011-18 (July 05, 2011)	Technical Requirements for Electromagnetic Interference; Korea only
RRA Public Notification 2011-24 (Dec. 23, 2011)	Technical Requirements for Electromagnetic Interference; Korea only
RRA 2012-13 and RRA 2012-21, June 28, 2012, K only	Technical Requirements and Test Methods for Electromagnetic Interference; K only (See specific Annexes listed on scope)
RRA 2013-3 and 2013-24, June 17, 2013, Korean only	Technical Requirements and Test Methods for Electromagnetic Interference; K only (See specific Annexes listed on scope)

ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

RRA 2014-8 and RRA 2014-37 (June 23, 2014)	Technical Requirements and Test Methods for Electromagnetic Interference; K only (See specific Annexes listed on scope)
VCCI-CISPR 32 (Nov 2016)	Agreement of VCCI Council - Technical Requirements: VCCI-CISPR 32:2016 (including radiated disturbance above 1 GHz)
Agreement of VCCI V-3 (2014.04)	Agreement of VCCI Council - Technical Requirements: V-3/2014.04 (including radiated disturbance above 1 GHz)
Agreement of VCCI V-3 (2015.04)	Agreement of VCCI Council - Technical Requirements: V-3/2015.04 (including radiated disturbance above 1 GHz)
Agreement of VCCI V-3 (2011.04)	Agreement of VCCI Council - Technical Requirements: V-3/2011.04 (including radiated disturbance above 1 GHz)
Agreement of VCCI V-3 (2012.04)	Agreement of VCCI Council - Technical Requirements: V-3/2012.04 (including radiated disturbance above 1 GHz)
Agreement of VCCI V-3 (2013.04)	Agreement of VCCI Council - Technical Requirements: V-3/2013.04 (including radiated disturbance above 1 GHz)

Immunity

Designation

EN 50130-4 (1995) + A1(1998) & A2(2003)

EN 50130-4 (2011)

EN 55024 (2010)

EN 55103-2 (2009)

IEC 61000-4-2, Ed. 1.2 (2001); EN 61000-4-2

IEC 61000-4-2, Ed. 2.0 (2008-12)

IEC/EN 61000-4-3, Ed. 2.1 (2002), A1 (2002); EN 61000-4-3

IEC 61000-4-3, Ed. 3.0 (2006-02)

IEC 61000-4-3 Ed. 3.2 (2010)

Description

Alarm systems - Part 4. Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder and social alarm systems

Alarm systems. Electromagnetic compatibility. Product family standard. Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems

Information technology equipment. Immunity characteristics. Limits and methods of measurement

Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use - Part 2: Immunity

Electrostatic Discharge Immunity Test

Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test

Radiated, radio-frequency, electromagnetic field immunity test

Electromagnetic compatibility (EMC) - Part 4-3: Testing measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test

Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test

ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

IEC 61000-4-4(1995), A1(2000), A2(2001); EN 61000-4-4	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical Fast Transient/Burst Immunity Test
IEC 61000-4-4, Ed. 2.0 (2004-07)	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
IEC 61000-4-4 (2012-04)	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test
IEC 61000-4-5 Ed. 3.0 (May 2014)	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
IEC 61000-4-5, Ed. 1.1 (2001-04); EN 61000-4-5	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test
BS EN 61000-4-5 (2006)	Electromagnetic compatibility (EMC). Testing and measurement techniques. Surge immunity test
IEC 61000-4-6, Ed. 2.2 (2006-05)	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-6 Ed. 3.0 (2008)	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-6 Ed. 4.0 (2013)	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-8, Ed. 1.1 (2001); EN 61000-4-8	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
IEC 61000-4-8 (2009)	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test
IEC 61000-4-9 (2016)	Electromagnetic compatibility (EMC) - Part 4-9: Testing and measurement techniques - Impulse magnetic field immunity test
IEC 61000-4-11, Ed. 2 (2004-03) & EN 61000-4-11	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests
EN 61000-6-1 (2007)	Electromagnetic compatibility (EMC) - Part 6 - 1: Generic standards - Immunity for residential, commercial and light-industrial environments
EN 61000-6-2 (2005)	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 61326-1(2006)	Electrical equipment for measurement, control and laboratory use - EMC requirements
EN 61326-1 (2013)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements
IEC 61326-2-6, Ed. 1.0 (2005-12)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment

ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

CISPR 24 (2010) + A1 (2015)	Information technology equipment - Immunity characteristics - Limits and methods of measurement
KN 24 (December 2005) with RRL Notice No. 2006-127	Information technology equipment - Immunity characteristics - Limits and methods of measurement
KN 24 (Annex 5) with RRA Announce 2011-31 (Dec. 23, 2011)	Conformity Assessment Procedure for Electromagnetic Susceptibility; with KN24 (Annex 5). K Only
KN 24 (Annex 11) RRA Announce 2008-12 (Dec. 16, 2008)	Conformity Assessment Procedure for EMS (Information technology equipment - Immunity characteristics - Limits and methods of measurement)
KN 35:2015 (Annex 11-2)	Testing method of electromagnetic wave endurance of multimedia device
KN 35:2015 (Annex 15)	Electromagnetic compatibility of multimedia equipment - Immunity Requirements
Korea RRL Notice No. 31 (2004)	Conformity Assessment Procedures for Electromagnetic Susceptibility using KN 61000-4-2, KN 61000-4-3, KN 61000-4-4, KN 61000-4-5, KN 61000-4-8, KN 61000-4-11, KN 20, KN 41, and KN 50.
Korea RRL Notice 70 (2004)	Technical Requirements for Electromagnetic Susceptibility using KN 61000-4-2, KN 61000-4-3, KN61000-4-4, KN 61000-4-5, KN 61000-4-6, KN 61000-4-8, KN 20, KN 41, and KN 51
RRA Public Notification 2011-06 (Jan. 19, 2011)	Technical Requirements for Electromagnetic Susceptibility; Korea only
RRA Public Notification 2011-17 (July 05, 2011)	Technical Requirements for Electromagnetic Susceptibility; Korea only
RRA Public Notification 2011-25 (Dec. 23, 2011)	Technical Requirements for Electromagnetic Susceptibility; Korea only
RRA 2012-14 and RRA 2012-22 (June 28, 2012) K only	Technical Requirements and Test Methods for Electromagnetic Susceptibility; K only (See specific Annexes listed on scope)
RRA 2013-04 and RRA 2013-25, June 17, 2013, Korean only	Technical Requirements and Test Methods for Electromagnetic Susceptibility; Korean only (See specific Annexes listed on scope)
RRA 2014-09 and RRA 2014-38 (June 23, 2014) K only	Technical Requirements and Test Methods for Electromagnetic Susceptibility; Korean only (See specific annexes listed on scope)

Product Safety

Designation

IEC 60065 (2001-12), 7th edition

EN 60065:2002 + Corr 1 (2008) + A1 (2006) + A11 (2008) + A2 (2010)

EN 60204-1:2006

Description

Audio, video and similar electronic apparatus - Safety requirements

Audio, video and similar electronic apparatus. Safety requirements

Safety of machinery. Electrical equipment of machines. General requirements



ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

IEC 60204-1 ed5.0	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN 60335-1 (2012) + AC (2014)	Household and similar electrical appliances - Safety - Part 1: General requirements
IEC 60335-1 Ed. 5.0 (2010) + A1 (2013)	Household and similar electrical appliances - Safety - Part 1: General requirements
EN 60335-1 (2012) + A11 (2014)	Household and similar electrical appliances. Safety. General requirements
EN 60335-1 (2002)	Household and similar electrical appliances - Safety - Part 1: General Requirements
EN 60335-1 (2012)	Household and similar electrical appliances - Safety - Part 1: General requirements
EN 60335-2-29 (2004)	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers
IEC 60335-2-82 Ed. 2.1 (2008-07)	Household and similar electrical appliances-Safety-Part 2-82: Particular requirements for amusement machines and personal service machines
EN 60335-2-82 (2003)	Specification for safety of household and similar electrical appliances. Particular requirements. Particular requirements for amusement machines and personal service machines
IEC 60601-1, 3rd Ed. (2005)	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
IEC 60601-1-1 (2000-12), 2nd edition	Medical electrical equipment - Part 1-1: General requirements for safety - Collateral standard: Safety requirements for medical electrical systems
EN 60601-1-2 (2015)	Medical electrical equipment. General requirements for basic safety and essential performance. Collateral Standard. Electromagnetic disturbances. Requirements and tests
IEC 60601-1-2, Ed. 1 (1993); Ed. 2 (2001-09); JIS T0601-1-2 (2002.7)	Medical electrical equipment - Part 1 and Part 1-2: General requirements for safety: Collateral standard: EMC - Requirements and tests
IEC 60601-1-2, Ed 2.1 (2004-11) & EN 60601-1-2 (2002)	Medical electrical equipment - Part 1-2: General requirements for safety - Collateral standard: Electromagnetic compatibility - Requirements and tests
EN 60601-1-2 (2007)	Medical electrical equipment - Part 1-2: General requirements for safety - Collateral standard: EMC - Requirements and tests
EN 60601-1-2 (2001) + A1(2006)	Medical electrical equipment - Part 1-2: General requirements for safety - Collateral standard: EMC - Requirements and tests
EN 60601-1-4:1996 + A1:1999	Medical electrical equipment - Part 1-4: General requirements for safety - Collateral standard: Programmable electrical medical systems
EN 60601-1-6/AC (2012)	Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability
EN 60601-1-6:2010	Medical electrical equipment. General requirements for basic safety and essential performance. Collateral standard. Usability

ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

IEC 60601-1-6:2010	Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability
IEC 60601-1-6 Ed. 2.0 (2006)	Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability
EN 60601-1-6:2007	Medical electrical equipment. General requirements for basic safety and essential performance. Collateral Standard. Usability
IEC 60601-1-8 Ed. 2.0 (2006)	Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical
EN 60601-1-8:2004 + A1:2006	Medical electrical equipment - Part 1-8: General requirements for safety - Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
IEC 60601-1-11 ed1.0 (2010)	Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
EN 60601-1-11:2010	Medical electrical equipment. General requirements for basic safety and essential performance. Collateral standard. Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment
IEC 60601-2-2 Ed. 5.0 (2009)	Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories
IEC 60601-2-4:2005; EN 60601-2-4:2003	Particular requirements for the safety of cardiac defibrillators
EN 60601-2-4 (2003), Clause 202	Medical electrical equipment. Particular requirements for safety. Particular requirements for the safety of cardiac defibrillators
EN 60601-2-12:2006	Medical electrical equipment. Particular requirements for the safety of lung ventilators. Critical care ventilators
IEC 60601-2-24, Ed. 1 (1998)	Medical electrical equipment - Part 2-24: Particular requirements for the safety of infusion pumps and controllers
EN 60601-2-24 (1998)	Medical electronic equipment Part 2-24: Particular requirements for the safety of infusion pumps and controllers
IEC 60601-2-35 Ed. 1 (1996)	Medical electrical equipment - Part 2: Particular requirements for the safety of blankets, pads and mattresses, intended for heating in medical use
EN 60601-2-35:1996	Medical electrical equipment - Part 2: Particular requirements for the safety of blankets, pads and mattresses, intended for heating in medical use
AS/NZS 60950.1 (2015)	Information technology equipment - Safety - General requirements (IEC 60950-1, Ed. 2.2 (2013), MOD)

ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

EN 60950-1 (2006) + A11 (2009) + A1 (2010) + A12 (2011) + A2 (2013)	Information technology equipment- Safety- Part 1: General requirements
CSA C22.2 NO 60950-1-07	Information Technology Equipment Safety Part 1: General Requirements
CSA C22.2 No. 60950-1-07 + A11:2009 + A1:2009 + A12:2011	Information Technology Equipment Safety Part 1: General Requirements
UL 60950-1 2nd Ed. 2007 and CSA C22.2 No. 60590-1-07	Information Technology Equipment - Safety - Part 1: General Requirements
EN 60950-1 (2006), IEC 60950-1 (2005) & UL 60950-1	Information technology equipment - Safety - Part 1: General requirements
AS/NZS 60950.1 (2011)	Information technology equipment-Safety Part 1: General requirements
IEC 61010-1 (2001-02), 2nd edition	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
EN 61010-1 (2010)	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
IEC 61010-2-030 ed1.0 (2010)	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-030: Particular requirements for testing and measuring circuits
IEC 61010-2-051 Ed. 2.0 (2005)	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-051: Particular ... laboratory equipment for mixing and stirring
IEC 61010-2-101 Ed. 1.0 (2002)	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment
IEC 61851-1 Ed. 2.0 (2010)	Electric vehicle conductive charging system - Part 1: General requirements
EN 61851-1:2001	Electric vehicle conductive charging system. General requirements
EN 61851-21 (2002)	Electric vehicle conductive charging system - Part 21: Electric vehicle requirements for conductive connection to an a.c./d.c. supply
IEC 61851-21 Ed. 1.0 (2001)	Electric vehicle conductive charging system - Part 21: Electric vehicle requirements for conductive connection to an a.c./d.c. supply
EN 61851-22 (2002)	Electric vehicle conductive charging system - Part 22: A.C. electric vehicle charging station
IEC 61851-22 Ed. 1.0 (2001)	Electric vehicle conductive charging system - Part 22: AC electric vehicle charging station
IEC 62368-1 ed2.0 (2014)	Audio/video, information and communication technology equipment - Part 1: Safety requirements
EN 62368-1 (2014)	Audio/video, information and communication technology equipment. Safety requirements



ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

Table with 2 columns: Standard Reference and Description. Rows include AC/ACIF S001 (2001), AS/NZS 4117 (1999), CSA C22.2 No. 1, CSA C22.2 NO. 68-09, CSA C22.2 No. 1010.1, EN 957-1:2005, EN 957-5:2009, EN 957-6:2010, EN 957-8:1998, EN 957-9:2003, EN 957-10:2005, and UL 1647 (2008).

Radio

Designation

Description

Table with 2 columns: Designation and Description. Rows include ETSI EN 300 220-1 V2.4.1 (2012-05), ETSI EN 300 220-2 V2.4.1 (2012-05), ETSI EN 300 440 V2.1.1 (2017-03), and ETSI EN 300 440-1 V1.6.1 (2010-08).

ELECTROMAGNETIC COMPATIBILITY & TELECOMMUNICATIONS

NVLAP LAB CODE 200527-0

ETSI EN 300 440-2 v1.4.1 (2010-08)	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive
ETSI EN 301 357-1 V1.4.1 (2008-11)	ERM; Cordless Audio Devices in the Range 25 MHz to 2,000 MHz; Part 1: Technical Characteristics and Test Methods
ETSI EN 301 357-2 v1.4.1 (2007-12)	ERM; Cordless Audio Devices in the Range 25 MHz to 2,000 MHz. Part 2: Harmonized EN covering essential requirements of 3.2 of the R&TTE Directive
ETSI EN 301 489-1 V1.9.2 (2011-09)	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements
ETSI EN 301 489-3 V1.6.1 (2013-08)	EMC standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS); Short Range Devices
ETSI EN 301 489-9 v1.4.1 (2007-11)	ERM; EMC standard for radio equipment and services; Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices
ACMA Radiocommunications (Short Range Devices) Standard 2014	For technical performance matters using AS/NZS 4268
AS/NZS 4268 (2012) + A1 (2013)	Radio equipment and systems - Short range devices - Limits and methods of measurement
ACMA Radiocommunications (Short Range Devices) Standard 2004	For technical performance matters using AS/NZS 4268.
AS/NZS 4268 (2008)	Radio equipment and systems - Short range devices - Limits and methods of measurement
AS/NZS 4771 (2000) + Amendment No. 1	Technical characteristics and test conditions for data transmission equipment operating in the 900 MHz, 2.4 GHz and 5.8 GHz bands and using spread spectrum modulation techniques
KCC Public Notification 2009-27, Nov 5, 2009	Technical Requirements for the Human Protection against Electromagnetic Waves, K only
NOM-121-SCT1-2009	Radio-Telecommunications-radio systems using spread spectrum technology - equipment radio frequency hopping and digital modulation operating in the bands 902-928 MHz, 2400-2483.5 MHz, & 5725-5850 MHz
RSS-247, Issue 2 (February 2017)	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
RSS-247, Issue 1 (May 2015)	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices

No DFS Testing



**ELECTROMAGNETIC COMPATIBILITY
& TELECOMMUNICATIONS**

NVLAP LAB CODE 200527-0

RSS-310, Issue 4 (July 2015)	Licence-Exempt Radio Apparatus: Category II Equipment
RSS-310, Issue 3 (December 2010)	Licence-exempt Radio Apparatus (All Frequency Bands): Category II Equipment
RSS-Gen, Issue 5 (April 2018)	General Requirements for Compliance of Radio Apparatus

Telecommunications

Designation

ETSI EN 300 386 V1.6.1 (2012-09)

ANSI/TIA-968-B-3 (2016-03)

Description

Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements

Telecommunications Telephone Terminal Equipment Technical Requirements for Connection of Terminal Equipment to the Telephone Network- Addendum 3